

NASA VISION  
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# VISION

## ADMINISTRATOR O'KEEFE ON THE HILL

*NASA Administrator Sean O'Keefe appeared with Admiral Gehman before the Senate Committee on Commerce, Science and Transportation to provide updates on the Columbia recovery operations, cooperation with the Investigation Board, and status of the International Space Station and Hubble Space Telescope programs. The hearing was the first time Administrator O'Keefe and the Investigation Board chairman have appeared together before a congressional panel. The Senate committee's chairman, John McCain, Republican of Arizona, also wanted to highlight that members of Congress had added \$167 million in pork-barrel spending to the NASA appropriations bill in fiscal 2003 while keeping spending for the space agency's safety programs relatively flat. "I've asked Admiral Gehman to find out what impact, if any, wasteful, extravagant pork-barrel spending had on the ability to fund the needed programs of NASA," Sen. McCain told reporters later.*



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*Admiral Harold Gehman, chairman of the Columbia Accident Investigation Board, provided the Senate Committee on Commerce, Science and Transportation with the latest information on the progress and direction of the Columbia Accident Investigation Board and its three and a half months of investigation.*



*Photo credits: NASA/Bill Ingalls*

# Administrator's Corner

NASA has begun the hard and painstaking work required to resume Space Shuttle missions that are as safe as humanly possible. This work is already addressing some of the independent Columbia Accident Investigation Board's (CAIB) preliminary recommendations, whose findings will guide NASA to a "Return to Flight." NASA's Return to Flight analysis will look across the entire Space Shuttle program to evaluate possible improvements in safety and flight operations in addition to implementing the recommendations of the Board.

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Two dedicated NASA veterans, Dr. Michael A. Greenfield, our Associate Deputy Administrator for Technical Programs, and Astronaut William Readdy, NASA's Associate Administrator for Space Flight, will lead our Return to Flight activity, as well as co-chair the newly formed Space Flight Leadership Council. The members of the council, composed of the Associate Administrator for Safety and Mission Assurance, the Deputy Associate Administrator for International Space Station and Space Shuttle, and the four Space Flight Center Directors, will review

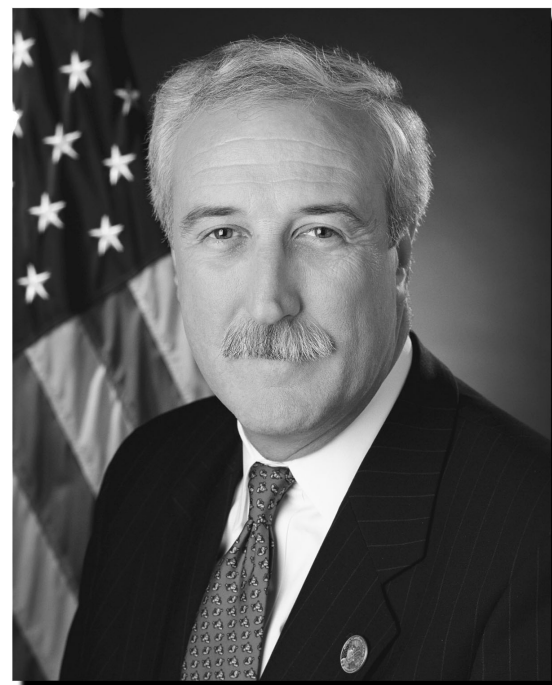


Photo credit: NASA/Bill Ingalls

and assess each course of action recommended by the Return to Flight Planning Team and provide direction to the Space Shuttle program for implementation.

The Return to Flight Planning Team is already working to incorporate the CAIB's first two preliminary recommendations into the Return to Flight strategy. In the interest of assuring that NASA fully addresses each of the CAIB's recommendations, I have asked former astronaut Tom Stafford to lead a team that will provide an independent assessment of NASA's strategy for implementing the CAIB's recommendations.

We are grateful to Admiral Gehman and the rest of the Board members for the thorough and diligent manner in which they are conducting their investigation. We will make our human space flight program better and safer because of their work, as well as fulfill our commitment to the families of the courageous STS-107 crew, by finding out the cause of this tragedy, fixing it and returning to safe flight.

# East Texas Volunteers

Talk with anyone who served on NASA's Columbia debris recovery team, and you'll hear about the warm and generous volunteers of east Texas.

Within hours of the orbiter's loss, countless residents of communities along the debris path, from Corsicana and Palestine through Nacogdoches and Hemphill, mobilized to help thousands of emergency personnel in small but not insignificant ways. Their efforts often stretched from days into weeks.

Roger and Belinda Gay, who own a convenience store and restaurant in Hemphill, Texas, organized hundreds of eager Sabine County volunteers at the local V.F.W. hall to serve more than 3,000 meals a day for two weeks to National Guard and other rescue personnel.

Roger, the post's commander, and Belinda, who leads the ladies' auxiliary, said they did for the Columbia crew's loved ones no more than what they'd have wanted done for themselves.

"If it was your child flying in space," says Roger, "that's the way we think about it." Adds Belinda, "We took this incident and it became our family. Their mission became our mission, and their families became our families."

Perhaps the most remarkable example of selfless giving is Pat Fulford. The Lufkin-area retiree was serving meals to recovery workers outside the Lufkin Civic Center February 7 when she learned her family's house had been destroyed by fire. "We just had what we had on our backs," recalls the former educator.

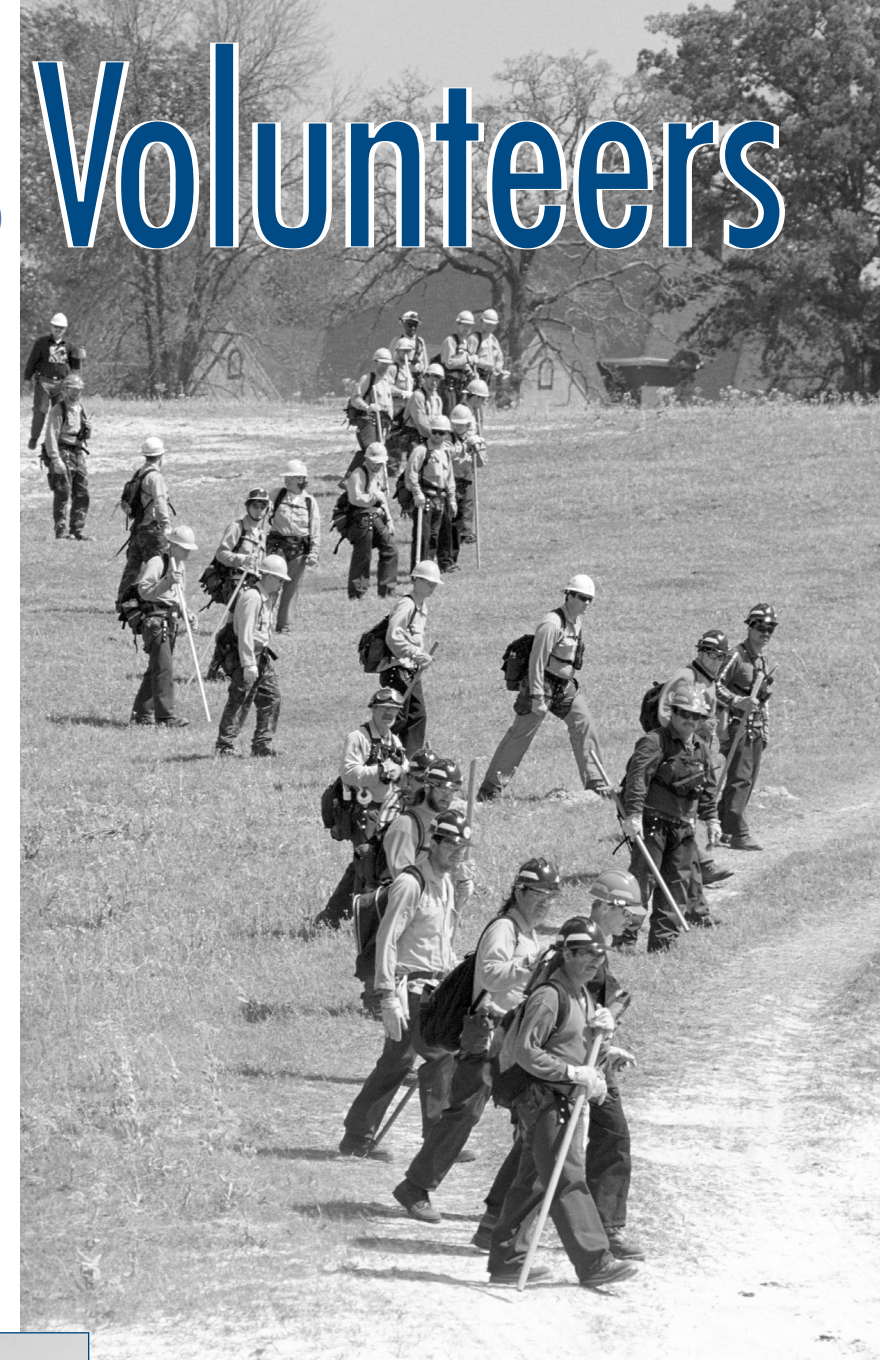


Photo credits: NASA/Renee Bouchard

Columbia recovery workers from NASA and other agencies were so touched by Pat's story that they collected \$20,000 to help the Fulfords settle into their new home.

If, as self-described, NASA is a family, it now extends to the residents of east Texas.

"We've told everybody, over and over," says NASA Astronaut Dom Gorie, "that every single thing that they've done will be as much a part of the next Space Shuttle flight as any astronaut that's ever flown."



NASA Administrator Sean O'Keefe visits with a debris search volunteer in east Texas. Administrator O'Keefe, as well as other senior NASA officials, took part in searching for debris and visiting with volunteers during his latest trip to east Texas. The Administrator often shares details about the amazing volunteers and their inspiring stories when he gives speeches around the nation.

# Around the Centers

## AMESresearchcenter

In honor of the pioneers of aviation and space flight, NASA Ames Research Center and Lockheed Martin Space Systems, in collaboration with The Tech Museum of Innovation, sponsored a 2003 Space Day parade and celebration. The family event in downtown San Jose celebrated International Space Day and the Centennial of Flight. Highlighting the event was a parade of aircraft representing the past century, including a replica of the 1903 Wright Flyer, NASA's X-43 and the Highly Maneuverable Aircraft Technology (HiMAT), among others. Dr. Adena Loston, NASA Associate Administrator for Education, served as the grand marshal of the parade.

## DRYDENflightresearchcenter

A milestone in the development of high-altitude, long-endurance remotely operated aircraft is imminent (mid-May) with the first flight of NASA's Altair. The Altair is the first unmanned aerial vehicle (UAV) to feature triple-redundant flight systems and avionics for increased reliability. The flight from General Atomics Aeronautical Systems' flight test facility at El Mirage, Calif., will evaluate the new aircraft's basic airworthiness and control system. Built to performance specifications established by NASA's Earth Science Enterprise, Altair is an extended-wing version of General Atomics MQ-9 Predator B military UAV now in development. Altair is one of several UAVs designed for civil applications that have been developed or matured under the Environmental Research Aircraft and Sensor Technology (ERAST) program at NASA Dryden Flight Research Center at Edwards, Calif. Later, NASA will be able to use the Altair for a variety of environmental science missions.

## GLENNresearchcenter

Several prestigious Glenn awards were recently announced. Craftsmanship awards were presented to Nicholas Varaljay, for assembly/buildup of the first MEMS microwave cantilever switch at Glenn, and Robert Reminder, for manufacturing an advanced mold process to accurately duplicate ice formation. Dr. Rafat Ansari was awarded the Abe Silverstein Medal for developing a novel, patented fiber-optic probe for measuring nanometer-size particles suspended in liquids using the Dynamic Light Scattering technique. The High Flow Jet Exit Rig Design Team, Robert Buehrle, Paul Solano and Paul Trimarchi, Dr. James Bridges and John Wolter received the Steven V. Szabo, Jr. Engineering Excellence Award for their design and development of an innovative jet engine nozzle test rig.

## GODDARDspaceflightcenter

Engineers from NASA Goddard Space Flight Center will participate in the judging and awards presentation at the National Marbles 80th Annual Tournament on June 19 in Wildwood, N.J. This year, NASA and NIST have cooperated on the design and manufacture of a marble gauge, arguably the most precise marble gauge ever manufactured, which will be used to ensure the marbles are of official size. GSFC will be presenting a gauge flown on a Long-Duration Balloon as a permanent display for the Marble Hall of Fame.

## KENNEDYspacecenter

Scientist and engineers from the Kennedy Space Center are participating in a research project that characterizes the condition of the Oculina Banks and its coral habitat and fish populations. The research took place onboard the Liberty Star, the NASA Space Shuttle support ship operated by United Space Alliance, which departed from Port Canaveral April 29 and returned May 9. The public can follow the expedition through daily logs posted to a Web site ([www.oceanica.cofc.edu](http://www.oceanica.cofc.edu)) and a Webcast from the Liberty Star.

## JETpropulsionlaboratory

NASA Jet Propulsion Laboratory and the Girl Scouts of the USA (GSUSA) are teaming up to bring the excitement of science and engineering to Girl Scouts across the country. According to GSUSA, science-related badges and patches are usually undertaken last, or not at all, because adult leaders and volunteers are often uncomfortable with science. The task of JPL is to make science comfortable and fun for the trainers, leaders, volunteers and the girls. The goal is to raise the interest of science-related topics among the girls and encourage them to pursue careers in science, technology, engineering and mathematics.

## JOHNSONspacecenter

A tree-planting ceremony was held on April 16 to honor each of the STS-107 crew members: Rick Husband, Willie McCool, Mike Anderson, Kalpana Chawla, Dave Brown, Laurel Clark and Ilan Ramon. The families of the STS-107 crew, former astronauts and JSC employees attended the ceremony. There was a brief dedication by Center Director Lt. Gen. Jefferson D. Howell, Jr., and Director of the Flight Crew Operations Directorate Robert D. Cabana, followed by a ceremonial planting of the trees by the crew members' families. The ceremony concluded with a minute of silence.

## LANGLEYresearchcenter

Severe storms left a path of destruction last month in the Midwest. Fellow Americans perished, and thousands of homes were damaged or destroyed. A day after the early May onslaught, Langley's Fran DeMarco boarded a plane at Newport News/Williamsburg International Airport and headed for Kansas City. Though she was on leave, this trip was not a vacation. A member of the American Red Cross National Disaster Relief Team since 1995, DeMarco is one of hundreds of volunteers trained in damage assessment, mass care and family and health services. Her ultimate destination was Springfield, Mo., where she spent at least two weeks helping others. DeMarco has been a Red Cross volunteer since shortly after the Oklahoma City bombing, an event that motivated her to action.

## MARSHALLspaceflightcenter

The Washington, D.C., chapter of the National Space Club has awarded Vernotto McMillan, Manager of the Technology Transfer Department at the Marshall Center, with the James E. Webb Memorial Space Fellowship. McMillan was honored "for his proposed research topic related to changing the corporate culture of government research and development organizations through endorsement of core values." The fellowship is given in memory of the former NASA Administrator to promote advanced education and is awarded to a NASA administration and management employee.

## STENNISspacecenter

With 2003 through 2006 being declared as the Lewis and Clark Bicentennial by President Bush, NASA scientists at Stennis Space Center, along with several partners under Space Act Agreements, are working to apply NASA remote-sensing technology to the task of identifying and mapping sites along the trail of the Lewis and Clark Expedition. The NASA project uses the Earth Science Applications' unique remote-sensing capabilities not only for the benefit of historic and archaeological study, but also to stimulate research partnerships, improve archaeological technology and provide learning tools for educators and the public.

# The NASA Family Assistance Fund



NASA Administrator Sean O'Keefe announced the formation of the NASA Family Assistance Fund. This fund was created in response to the numerous requests from Agency employees to support the families of STS-107 and other NASA families during their times of need. Employees interested in contributing may do so in several ways:

- Contribute online: [www.feea.org/nasa.shtml](http://www.feea.org/nasa.shtml)
- Write a check to: FEEA NASA FUND, 8441 W. Bowles Avenue, Suite 200, Littleton, CO 80123-9501.
- Donate by phone: 303-933-7580 or 1-800-338-0755.

For details: [www.nasa.gov/about/overview/AN\\_FAEhtml](http://www.nasa.gov/about/overview/AN_FAEhtml)

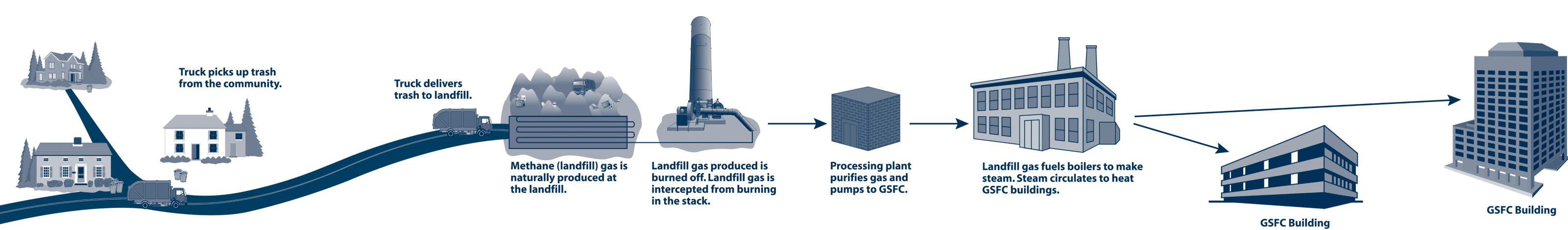


Photo credit: NASA/J. Larry Spencer

## Astronauts Visit with Patients at Walter Reed Army Medical Center

On May 8, 2003, Astronauts Nancy Currie, Ph.D. (Colonel, USA) and Patrick Forrester (Colonel, USA) visited with soldiers and a sailor at the Walter Reed Army Medical Center. The servicemen and women were injured while serving in Iraq or Afghanistan. Colonel Martin Morris, Chief, Core Laboratory, met the astronauts on their arrival at the Medical Center and expressed his appreciation, on behalf of the staff, to have the Army astronauts visit the Medical Center. The injured servicemen and women questioned the astronauts about their experiences in space. In an effort to show NASA's support for the brave men and women serving our nation, Headquarters Legislative Affairs coordinated the visit to the Medical Center.

Pictured above: Astronauts Nancy Currie, Ph.D. (Colonel, USA) and Patrick Forrester (Colonel USA) visiting Private First Class Richard Michael from Aztec, N.M. PFC Michael sustained multiple fractures while serving in Iraq.



# Space Flight Center

# Makes Energy History



Photo credits: NASA/Renee Bouchard

The Goddard Space Flight Center (GSFC) celebrated making energy history at a ribbon-cutting ceremony with Barry Caldwell of Waste Management, Paul Kaden, the President of Toro Energy Inc., Prince George's County Executive Jack Johnson, EPA Administrator Christie Whitman, NASA Administrator Sean O'Keefe and GSFC Director Al Diaz.



**"Understanding and protecting our home planet is one of NASA's key missions."**

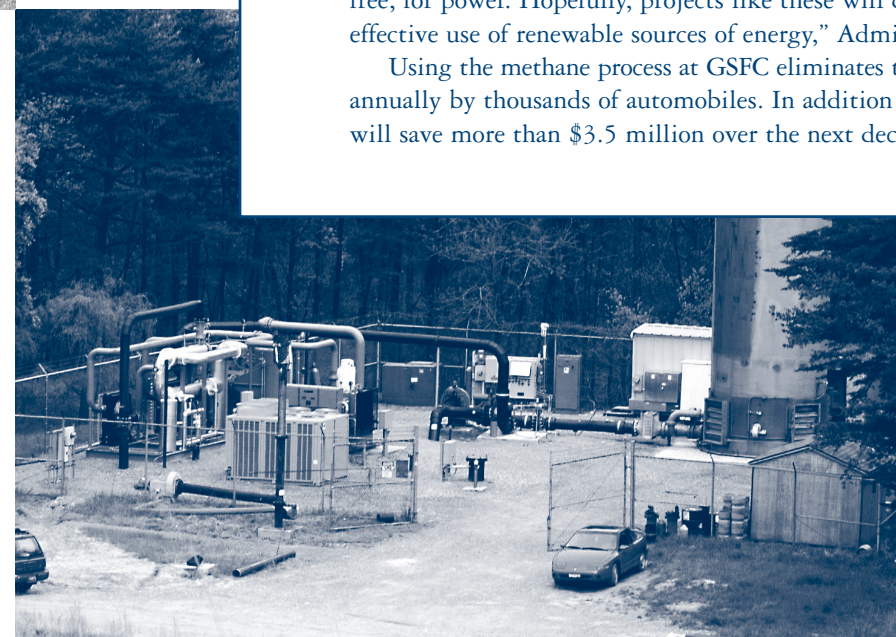
*Administrator O'Keefe*

At a ribbon-cutting ceremony last month, NASA Administrator Sean O'Keefe and Environmental Protection Agency (EPA) Administrator Christie Whitman officially opened the federal government's first facility using methane gas, from a nearby landfill, to meet energy needs.

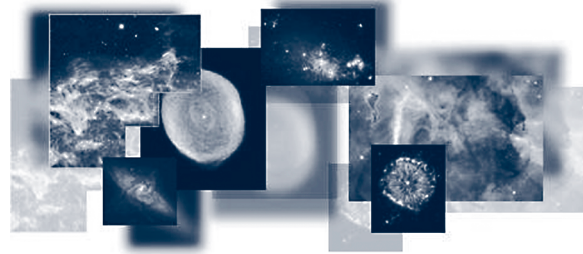
The project, at the NASA Goddard Space Flight Center (GSFC) in Greenbelt, Md., is an innovative partnership among NASA, EPA, Maryland's Prince George's County and Dallas-based Toro Energy, Inc. This project uses captured methane gas from a nearby landfill to heat the 31 buildings that dot the Center's 1,270-acre campus.

"Understanding and protecting our home planet is one of NASA's key missions," said Administrator O'Keefe. "NASA monitors and studies our planet from our unique vantage point in space, and our Earth Sciences Enterprise also looks for ways to improve the quality of life on Earth. This project directly benefits the Earth by removing a significant amount of methane, a greenhouse gas, from the environment. We use this energy, virtually pollution free, for power. Hopefully, projects like these will demonstrate the clean, efficient, cost-effective use of renewable sources of energy," Administrator O'Keefe concluded.

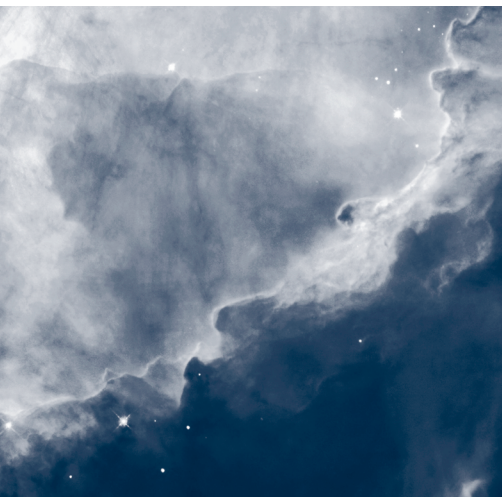
Using the methane process at GSFC eliminates the equivalent of the pollution generated annually by thousands of automobiles. In addition to the environmental benefits, NASA will save more than \$3.5 million over the next decade in energy costs.



**NASA will save more than  
\$3.5 million over the  
next decade in energy costs.**



## Hubble Captures a Perfect Storm of Turbulent Gases



Resembling the fury of a raging sea, this image actually shows a bubbly ocean of glowing hydrogen gas and small amounts of other elements such as oxygen and sulfur.

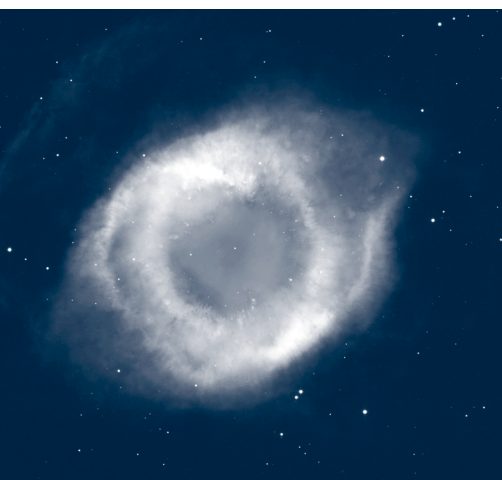
The photograph, taken by NASA's Hubble Space Telescope, captures a small region within M17, a hotbed of star formation. M17, also known as the Omega or Swan Nebula, is located about 5,500 light years away in the constellation Sagittarius. The image is being released to commemorate the 13th anniversary of Hubble's launch on April 24, 1990.

The wave-like patterns of gas have been sculpted and illuminated by a torrent of ultraviolet radiation from young, massive stars, which lie outside the picture to the upper left. The glow of these patterns

accentuates the three-dimensional structure of the gases. The ultraviolet radiation is carving and heating the surfaces of cold hydrogen gas clouds. The intense heat and pressure cause some material to stream away from those surfaces, creating the glowing veil of even hotter greenish gas that masks background structures. The pressure on the tips of the waves may trigger new star formation within them.

The image, roughly three light years across, was taken May 29–30, 1999, with the Wide Field Planetary Camera 2. The colors in the image represent various gases. Red represents sulfur; green, hydrogen; and blue, oxygen. For more information, visit: [hubble.nasa.gov](http://hubble.nasa.gov)

## Iridescent Planetary Nebula Showcased



In one of the largest and most detailed celestial images ever made, the coil-shaped Helix Nebula was unveiled on Saturday, May 10, in celebration of Astronomy Day.

The resulting composite picture is a seamless blend of ultra-sharp NASA Hubble Space Telescope images combined with the wide view of the Mosaic Camera on the National Science Foundation's 0.9-meter telescope at Kitt Peak National Observatory near Tucson, Ariz. The image shows a fine web of filamentary "bicycle-spoke" features embedded in the colorful red and blue gas ring,

which is one of the nearest planetary nebulae to Earth.

Because the nebula is nearby, it is nearly one-half the diameter of the full moon. This required that Hubble astronomers take several exposures with the Advanced Camera for Surveys to capture most of the Helix. The Hubble views were then blended with a wider photo taken by Kitt Peak's Mosaic Camera. Astronomers at the Space Telescope Science Institute assembled these images into a mosaic. For more information, visit: [hubble.nasa.gov](http://hubble.nasa.gov)

# Profile

## Michael A. Greenfield

Name and title:

Dr. Michael A. Greenfield, NASA Associate Deputy Administrator for Technical Programs

Description of current position:

Responsible for assessing technical management, operational planning and implementation activities of aeronautical and space programs, reporting directly to the NASA Deputy Administrator.

Description of career history:

From January 1994 to January 2003, Dr. Greenfield served as Deputy Associate Administrator for the Office of Safety and Mission Assurance (OSMA) at NASA Headquarters, with functional responsibility for the implementation of safety, reliability and quality assurance of all NASA programs. Before this assignment, he served as Director, Quality Management (Payloads), where he formulated efficient and effective approaches for robotic spacecraft mission assurance. He joined OSMA in 1986 as Director, System Assessment and Trend Analysis Division, leading independent engineering assessments of Space Shuttle return-to-flight activities after the Challenger accident. Dr. Greenfield began his NASA career in 1979 as Program Manager for Materials in the Office of Aeronautics and Space Technology. Prior to joining NASA, Dr. Greenfield held several



Photo credit: NASA/Renee Bouchard

leadership positions in the materials and metallurgy fields, including head of the Joining Technology section of the Air Force Materials Laboratory in Dayton, Ohio, and Materials Liaison Officer and later Technical Director, European Office of Aerospace Research and Development (EOARD). He received his Ph.D. (metallurgy and material science) from New York University in 1971 and his master's degree in engineering management from the Catholic University of America (CUA) in 1987.

Hometown, hobbies and family:

Dr. Greenfield was born in New Rochelle, New York. He now resides in Bethesda with his wife Patricia. He has a son Douglas, a daughter Dana and a grandson Benjamin. His hobbies include heavy-duty gardening, surf fishing and vintage pen restoration.

## MAKE A "DEEP IMPACT" ON A COMET

NASA is launching a campaign to send hundreds of thousands of names to comet Tempel 1. The names will be carried on board NASA's Deep Impact spacecraft, the first deep-space mission designed to really reach out and touch a comet. Mission scientists are confident such an impact on a comet's nucleus will answer basic questions about the nature and composition of these celestial wanderers.

"This campaign will allow people from around the world to become directly involved with Deep Impact and through that get them thinking about the scientific reasons for the mission," said University of Maryland astronomy professor Michael A'Hearn, who is Deep Impact's Principal Investigator. "We particularly hope to capture the interest of young students for they will become the explorers of the next generation."

Deep Impact's larger flyby spacecraft will carry a smaller impactor spacecraft to Tempel 1 and release it into the comet's path for a planned collision on July 4, 2005. Then, the flyby spacecraft will take pictures from afar as the 370-kilogram (816-pound) copper-tipped impactor plunges into comet Tempel 1 at a speed of about 37,000 kilometers (22,990 miles) per hour. It is expected to make a spectacular, football field-sized crater, seven to 15 stories deep, into the speeding comet. Carried aboard the impactor will be a standard mini-CD containing the names of comet and space enthusiasts as well as other interested parties from around the world.

People may submit their names for this historic one-way mission by visiting NASA's Deep Impact Web site: [deepimpact.jpl.nasa.gov](http://deepimpact.jpl.nasa.gov)

# Freedom to Manage (F2M) Updates

The F2M Team has continued to address and prioritize critical F2M suggestions over the past few months, with specific focus on communicating results. Updates on the Surveys, Audits and Reviews (SAR) Teams and Outsourcing Desktop Initiative for NASA (ODIN) impediments are below.

The F2M subteam, which was populated by Center and HQ representatives, provided helpful recommendations toward reducing the number of SARs, and improving their value and quality.

The recommendations include the Centers seizing the opportunity to leverage SAR processes through negotiation with review owners by combining Headquarters and Center reviews and consolidating reviews by scope and time requirement. They also include that the Centers and Headquarters should proactively monitor respective review requests and processes by combining quality management systems audits with other internal and external audits, and establishing a process for resolving disputes related to the review's purpose, timing and corrective action.

The subteam concluded that SARs are not a substitute for good leadership

and management. Management is still responsible for implementing guidelines for good reviews and best practices which should reduce the number of SARs and improved their overall quality and value.



Working to be efficient, effective, and accountable

For updates and information:  
[www.f2m.nasa.gov](http://www.f2m.nasa.gov)

Also, the F2M Taskforce received numerous (16) submissions that highlighted ODIN impediments — cost, technology and implementation issues. These submissions spurred an analysis of ODIN performance across the Agency. The Chief Information Officer (CIO) formed a tiger team to look at the status of ODIN implementations across the Agency and re-examine the viability of a seat management approach for desktop services. The results showed that there

is definitely an opportunity to make some mid-course corrections; however, the ODIN model is still the most appropriate approach for delivery of these services at this time. The ODIN Program Office is currently working with all Centers to ensure that the necessary revisions are made to improve customer satisfaction and enable ODIN customers to take advantage of technological advances in the provision of desktop services.

The Agency is currently involved in various initiatives that are government wide in scope that will have an impact on future contracting strategies. In particular, the development of NASA's Enterprise Architecture will greatly influence the capabilities provided to the customer as well as how personal computing services are delivered. The Office of the CIO will be engaging customers and stakeholders in developing a cost-effective, long-term contracting strategy that aligns with the Enterprise architecture with a goal of providing anywhere, anytime access to information and people.

# NASA Selects New Space Shuttle Program Manager

NASA announced the selection of William (Bill) W. Parsons as the new Manager for the Space Shuttle Program. Parsons, the Director of the NASA John C. Stennis Space Center (SSC) in south Mississippi, succeeds Ronald D. Dittmore, who announced his resignation April 23.

Parsons served as Center Director since August 2002. He was first assigned to SSC in 1997 as the Chief of Operations of the Propulsion Test Directorate. Parsons relocated to NASA Johnson Space Center (JSC) in Houston to become the Director of the Center Operations Directorate, and he later served as the Deputy Director of JSC. He returned to SSC in 2001, and he served as Director of the Center Operations and Support Directorate.

In 1990, Parsons joined the NASA team at Kennedy Space Center (KSC) as a Launch Site Support Manager in the Shuttle Operations

Directorate, worked as an Executive Management Intern, and later as the Shuttle Flow Director of the Shuttle Operations Directorate at KSC. In 1996, he became Manager of the Space Station Hardware Integration Office at KSC.

"From the first time I saw a Space Shuttle launch, I knew I wanted to be a part of NASA and America's space exploration efforts," said Parsons. "This is a challenging time for the program, but the people of NASA have a long, successful history of overcoming adversity. I'm proud to be a part of the return-to-flight effort and look forward to getting the Space Shuttle safely flying again."

For information about NASA, the Space Shuttle program and space flight on the Internet, visit: [www.spaceflight.nasa.gov](http://www.spaceflight.nasa.gov)

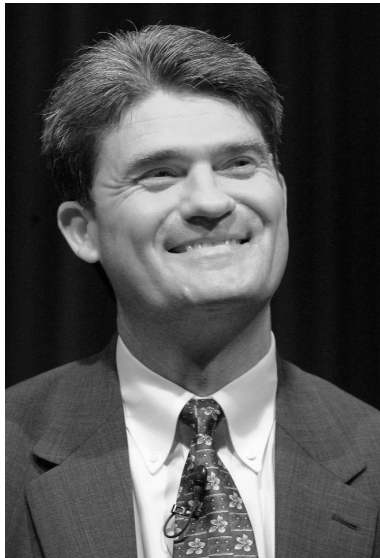


Photo credit: NASA/Renee Bouchard

## Center Director Steps Down

NASA Associate Administrator for Space Flight William F. Readdy announced the reassignment of Arthur G. Stephenson, Center Director of the NASA Marshall Space Flight Center (MSFC) in Huntsville, Ala., effective June 15. Stephenson decided to step down from his current position and move to an important role in promoting NASA's education efforts until his retirement in January 2004.

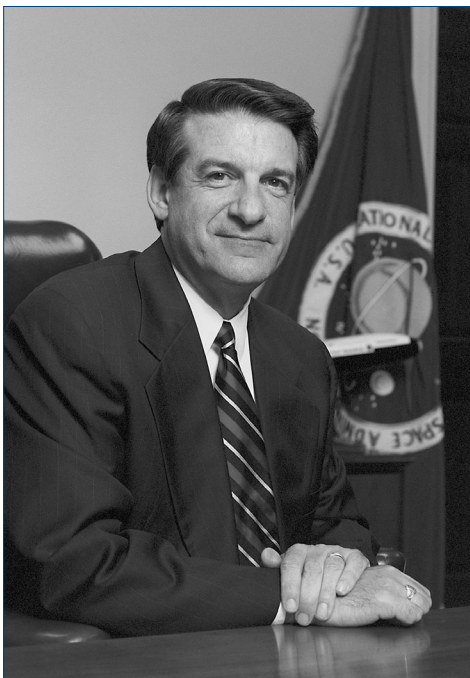
"I worked closely with Art in the Office of Space Flight, and I'm thankful for what he has done for the Marshall Space Flight Center, the people of Alabama and the entire NASA family," Readdy said in making the announcement.

Stephenson will serve as Special Assistant to Dr. Adena Loston, the Associate Administrator for Education at NASA Headquarters, and will be based at the National Space Science and

Technology Center (NSSTC) in Huntsville. The NSSTC is a partnership between MSFC, Alabama universities, federal agencies and industry. NSSTC is a laboratory for cutting-edge research in selected scientific and engineering disciplines.

"The job of Center Director at Marshall is without a doubt the best job I have had in my career. The people at Marshall and Huntsville are my family, but after five years, I felt it was time to consider new challenges," Stephenson said. "With NASA preparing to implement a comprehensive return-to-flight effort, I felt the timing for this move is in the best interest of the Agency, Marshall, and me, personally. I want to assist Adena and NASA in advancing the Agency's important education initiatives," added Stephenson.

Additional information is available at: [www.nasa.gov](http://www.nasa.gov)



## Secretarial Awards



Photo credit: NASA/Renee Bouchard

Congratulations to the 20th Annual NASA HQ Secretarial/Clerical Award Winners:  
Top Award Winner Patrice Williams, Code P; KarSheila Henderson, Code S; Paula Dorsey, Code Y; Allisyn Beverly, Code I; LaVerne Randolph, Code A; Mary Dull, Code J; and Pamela Barnes, Code A; Susan Fenn, Code A, not pictured.

## Women in Aerospace Nominations for 2003

Each year Women in Aerospace (WIA) recognizes up to six outstanding women for their professional achievements and their commitment to advancing women in aerospace fields. WIA will present these prestigious awards in September in the following categories: Outstanding Achievement, Lifetime Achievement, International Achievement, Leadership, Aerospace Educator and — new this year — Aerospace Awareness. Women in Aerospace is dedicated to expanding women's opportunities for leadership and increasing their visibility in the aerospace community. The membership, women and men, shares an interest in a broad spectrum of aerospace issues, including human space flight, aviation, remote sensing, satellite communications, robotic space exploration and the policy issues surrounding these fields. The deadline for submission of nomination packets is July 1, 2003. Visit: [www.womeninaerospace.org](http://www.womeninaerospace.org)



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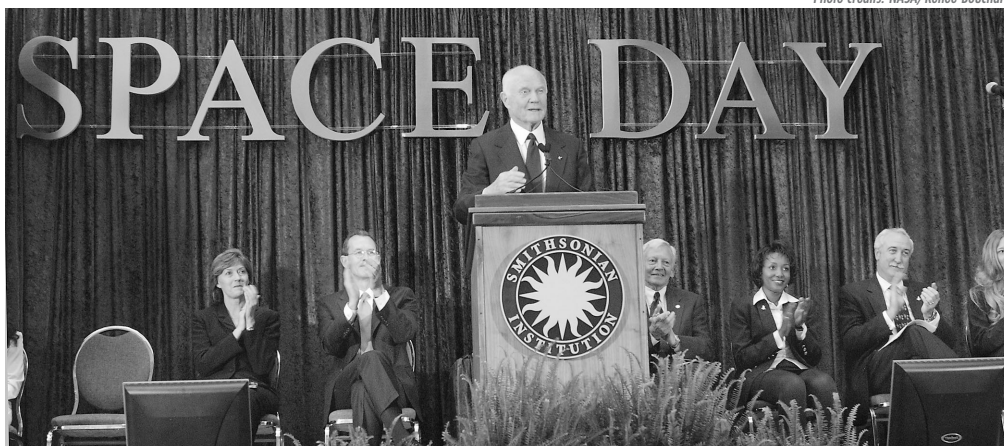


*Administrator Sean O'Keefe visits with students at Space Day 2003 — Celebrating The Future of Flight. Space Day, the annual tribute to aerospace exploration, invited young people of all ages to honor the previous 100 years of aviation accomplishments at the Smithsonian's National Air and Space Museum (NASM) on May 1.*

## NASA AT SPACE DAY 2003...

### INSPIRING THE NEXT GENERATION OF EXPLORERS

*Photo credits: NASA/Renee Bouchard*



*Senator John Glenn, co-chair of Space Day, addresses students, parents and teachers at the opening Space Day ceremony at the Smithsonian's National Air and Space Museum. "These young people represent our future and will one day realize exciting possibilities that we can now only imagine," Sen. Glenn said.*



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